



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,433	09/19/2008	Kevin D. Cooper	CASEP0931WOUS	8758
7590	04/16/2012		EXAMINER	
John T. WIEDEMANN			WARD, PAUL V	
Calfee ,Halter & Griswold LLP				
1400 McDonald Investment Center			ART UNIT	PAPER NUMBER
800 Superior Avenue				
Cleveland, OH 44114-2688			1624	
			MAIL DATE	DELIVERY MODE
			04/16/2012	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Application No. : 10599433
Applicant : Cooper
Filing Date : 09/19/2008
Date Mailed : 04/16/2012

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given 2 month(s) from the mail date of this Notice, or the time remaining from the Notice of Allowance and Fee(s) Due, whichever is longer, within which to respond.

The informalities requiring correction are indicated in the attachment(s). If the informality pertains to the abstract, specification (including claims) or drawings, the informality must be corrected with an amendment in compliance with 37 CFR 1.121 (or, if the application is a reissue application, 37 CFR 1.173). Such an amendment may be filed after payment of the issue fee if limited to correction of informalities noted herein. See Waiver of 37 CFR 1.312 for Documents Required by the Office of Patent Publication, 1280 Off. Gaz. Patent Office 918 (March 23, 2004). In addition, if the informality is not corrected until after payment of the issue fee, for purposes of 35 U.S.C. 154(b)(1)(iv), "all outstanding requirements" will be considered to have been satisfied when the informality has been corrected. A failure to respond within the above-identified time period will result in the application being ABANDONED. **This period for reply is NOT extendable under 37 CFR 1.136(a).**

See attachment(s).

*A copy of this notice **MUST** be returned with the reply. Please address response to
"Mail Stop Issue Fee, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450".*

/Joanna Black/
Publication Branch
Office of Data Management
(571) 272-4200

IDENTIFICATION OF DRAWING DEFICIENCIES

- There is a hole or the image thereof within the illustration. FIG(s)
- The illustration is penetrated or traversed by a solid or broken line that is not intended to be part of the drawing, such as a dark line caused by a flaw in the copying process. FIG(s)
- An ink stamp or the image thereof obscures part of the illustration. FIG(s) 9
- The drawing is marred by black smudges, obliterations, or fax/copier marks (for example, speckles or dots in a substantial portion of the drawing). FIG(s)
- Figure numbers are duplicated or missing. FIG(s)
- Drawing sheet or figure is missing. FIG(s)
- Numbers, letters, or reference characters in the drawing have been crossed out or are illegibly handwritten. FIG(s)
- The character of the lines, numbers, and letters is poor. FIG(s)
- The drawing's background shows that the original drawing was made on graph paper or other paper with a pattern or decoration. FIG(s)
- The FIG. number label is placed in a location that causes the drawing to be read upside down. FIG(s)
- Data, a reference number, or part of the drawing is truncated or missing, or a lead line has no reference number. FIG(s)
- The drawing and/or the FIG. label contain(s) foreign language. FIG(s)
- This utility application contains a photograph of a view that is capable of being illustrated as a line drawing. FIG(s)
- A petition under 37 CFR 1.84(a)(2) to accept color drawings has been granted, but the brief description of the drawings in the specification does not contain (or has not been amended to contain) the paragraph required by 37 CFR 1.84(a)(2)(iii).
- This reissue application contains amended drawings that are not labeled as "Amended" as required by 37 CFR 1.173(b)(3). FIG(s)
- OTHER:
- COMMENTS:
Please also verify that figures 6a-8f are ok to publish as is since they are solid black blocks
thank you